

Copy 101
32 Pages

TOP SECRET
Approved For Release 2003/12/18 : CIA-RDP02T06408R000100010031-5

CIA/PIR-18/64
June 1964



CENTRAL INTELLIGENCE AGENCY
PHOTOGRAPHIC INTELLIGENCE REPORT

SOVIET-TYPE SAM INSTALLATIONS,
WACS 235, 236, 238, 239, 244, 245, 246,
AND 248 THROUGH 252



Published and Disseminated By
NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER

Declass Review by
NIMA/DOD

TOP SECRET

GROUP 1
Excluded from automatic
downgrading and declassification

Approved For Release 2003/12/18 : CIA-RDP02T06408R000100010031-5

TOP SECRET

Approved For Release 2003/12/18 : CIA-RDP02T06408R000100010031-5

CENTRAL INTELLIGENCE AGENCY
PHOTOGRAPHIC INTELLIGENCE REPORT

**SOVIET-TYPE SAM INSTALLATIONS,
WACS 235, 236, 238, 239, 244, 245, 246,
AND 248 THROUGH 252**

CIA/PIR-15/64
June 1964

Published and Disseminated by
NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER

25

TOP SECRET
Approved For Release 2003/12/18 : CIA-RDP02T06408R000100010031-5

TOP SECRET

Approved For Release 2003/12/18 : CIA-RDP02T06408R000100010031-5

CIA/PIR-15/64

PREFACE

This is the seventh in a series of reports, prepared in response to CIA requirement C-RR3-80,733, presenting locational and other pertinent information on all Soviet-type surface-to-air missile (SAM) installations. 1-6/ Installations included are SAM launch sites (SA-1, SA-2, SA-3, and SA-0), antimissile-missile activities, SAM support facilities, SAM R & D and training facilities, and

unidentified installations, possibly SAM-related. The information will be presented by World Aeronautical Chart (WAC), and within each WAC by SAM defense area, as determined from photography and collateral sources. When the defense function of an installation has not been determined, this will be so indicated. Where no installations have been identified in a WAC area, that WAC will be omitted.

INTRODUCTION

This report presents information on all Soviet-type SAM installations located in the areas covered by WACs 235, 236, 238, 239, 244, 245, 246, 248, 249, 250, 251, and 252 and identified on photography. The cutoff date for this information is 15 May 1964. Figure 1 shows all the WAC areas, except Cuba, which will be covered in this series; those in red are covered in this report. WACs covered in the previous reports are outlined in red, and the report numbers are indicated on the graphic. Diagrams of the configurations of the common types of SAM installations are presented in Figure 2. Information for each WAC is shown in a table (Tables 1-12), which gives detailed data, and a map (Figures 3-14), which indicates the location and type of each SAM installation. Due to the volume of data for WAC 250, Figure 12 has been repeated for easier reference.

Explanations of the columnar headings used in the tables are as follows:

Item--Given in numerical sequence for each WAC, with numbers assigned to installations arbitrarily, and keyed to the accompanying WAC.

Name, Site Designator, BE Number--In accordance with the TDI. Absence of any of this information indicates that it was not available at the time of publication.

Coordinates--Given in degrees, minutes, and seconds, and plotted from series 200 US Air Target Charts unless otherwise indicated in next column.

Country & Map Reference--BE country codes used. Map reference is to the Air Target Chart sheet number (scale 1:200,000) unless otherwise indicated.

Type & Configuration--Indicates the type of SAM installation and its configuration as illustrated in Figure 2.

Mission & Date First Appears--Gives the number and date of the mission on which the installation was first sighted.

Mission & Date Installation Negated--Refers to the latest [] photography on which it has been established that construction of the installation had not been started. Absence of any notation indicates that this information could not be determined.

Remarks--Covers items of special or unusual interest.

TOP SECRET

TOP SECRET

Approved For Release 2003/12/18 : CIA-RDP02T06408R000100010031-5

CIA/PIR-15/64

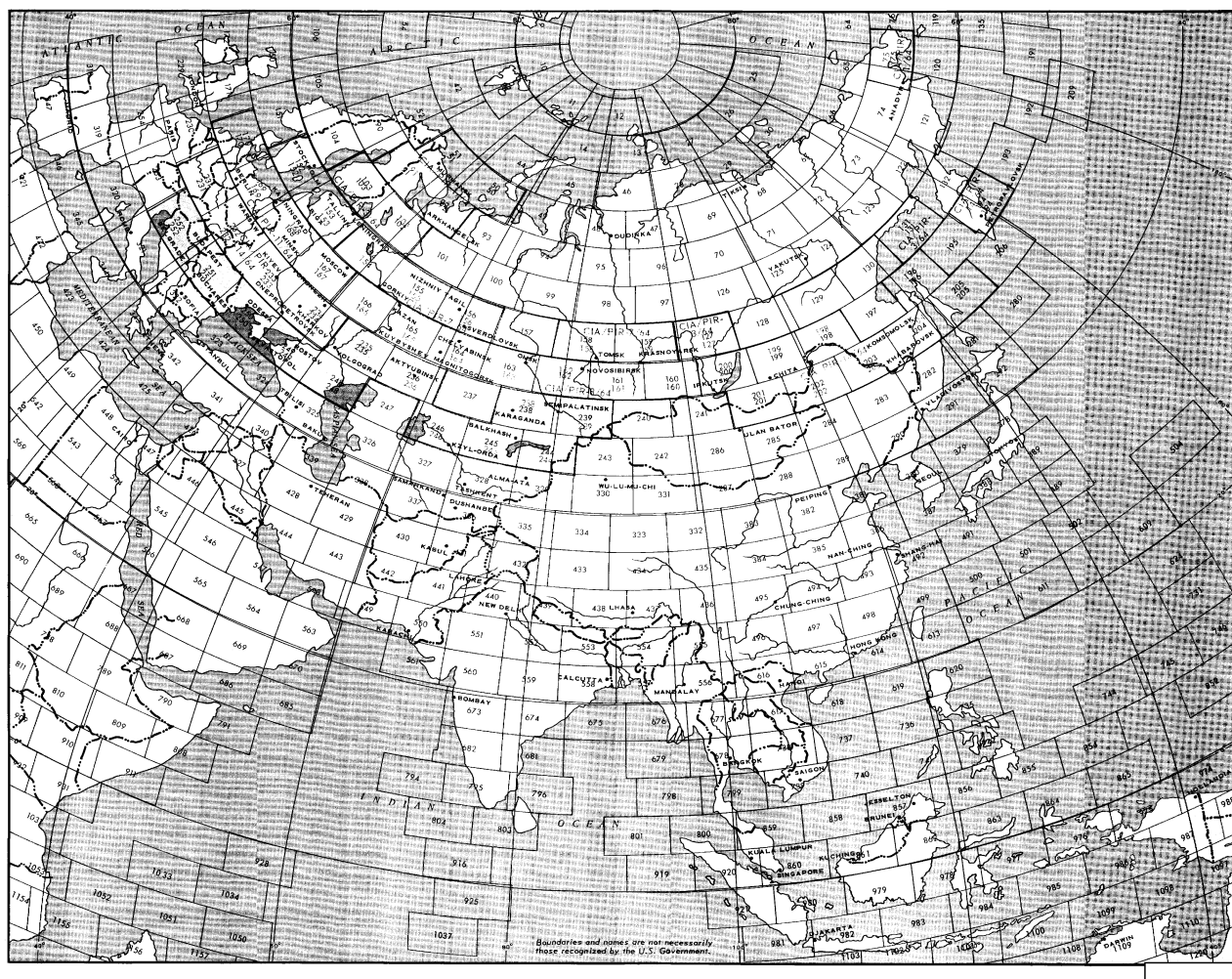


FIGURE 1. ALL AREAS TO BE COVERED IN THIS SERIES. Areas covered by this report in red; areas covered by preceding reports, red-bordered and report numbers indicated.

TOP SECRET

Approved For Release 2003/12/18 : CIA-RDP02T06408R000100010031-5

25X1

Approved For Release 2003/12/18 : CIA-RDP02T06408R000100010031-5

Approved For Release 2003/12/18 : CIA-RDP02T06408R000100010031-5

TOP SECRET

CIA/PIR-15/64

Approved For Release 2003/12/18 : CIA-RDP02T06408R000100010031-5

Table 1. SAM Installations on WAC 235

Item	Name, Site Designator, & BE No	Coordinates	Country & Map Ref	Type & Configuration	Mission & Date First Appears	Mission & Date Installation Negated	Remarks
A. Balakovo SAM Defenses							
1	Volok SAM Site A17-0, [REDACTED]	51-54-30N 47-26-30E	UR 0235-3	SA-0, category 1	[REDACTED]		When seen on [REDACTED] this site did not display the configuration of an SA-0 site, although the dimensions place it in that category.
2	Balakovo SAM Site A13-0 [REDACTED]	51-56-10N 47-59-50E	UR 0235-3	SA-0, category 1			
B. Saratov/Engels SAM Defenses (in defense of Soviet Long Range Air Arm Base at Engels: POL refining and storage facilities, power plants, railroad locomotive repairs, railroad car manufacturing, and strategic rail facilities; production facilities for electrical equipment, aircraft parts, gears, chemicals, munitions, metal products, and short-range SSMs and SAMs)							
3	Saratov SAM Site B08-2, [REDACTED]	51-36-30N 46-28-15E	UR 0235-2	SA-2, star	[REDACTED]		
4	Saratov SAM Support Facility, [REDACTED]	51-24-40N 46-10-00E	UR 0235-2	Type I (rectangular)			
5	Saratov SAM Site B18-2, [REDACTED]	51-20-00N 46-01-15E	UR 0235-2	SA-2, star			
6	Saratov SAM Site C13-2, [REDACTED]	51-21-45N 46-28-30E	UR 0235-2	SA-2, link			
C. Kamyshin SAM Defenses (in defense of Kamyshin: railroad facilities, POL storage, and light industry)							
7	Kamyshin SAM Site A04-2, [REDACTED]	50-13-30N 45-33-20E	UR 0235-12	SA-2, star	[REDACTED]		
8	Kamyshin SAM Support Facility, [REDACTED]	50-03-00N 45-21-30E	UR 0235-12	Type II (square)			
9	Kamyshin SAM Site B21-2, [REDACTED]	49-50-45N 45-15-30E	UR 0235-12	SA-2, star			
D. Volgograd SAM Defenses (in defense of Volgograd: major supplier of military equipment--tanks, guns, explosives, ammunition, small arms, [REDACTED] transportation facilities, POL refining and storage facilities, and power plants; and production of chemicals, steel, aluminum, tractors, and oil-rigging equipment)							
10	Volgograd SAM Site C05-2, [REDACTED]	49-01-00N 44-59-00E	UR 0235-17	SA-2, daisy	[REDACTED]		
11	Volgograd SAM Site B03-2, [REDACTED]	48-57-50N 44-39-30E	UR 0235-16	SA-2, daisy			
12	Volgograd SAM Support Facility, [REDACTED]	48-59-30N 44-38-25E	UR 0235-16	Type I (rectangular)			
13	Volgograd SAM Site B33-2, [REDACTED]	48-51-43N 44-19-05E	UR 0235-16	SA-2, fan			
14	Volgograd SAM Site B27-2, [REDACTED]	48-40-15N 44-10-00E	UR 0235-21	SA-2, daisy			
15	Volgograd SAM Site B21-2, [REDACTED]	48-27-00N 44-18-45E	UR 0235-21	SA-2, fan			
16	Volgograd SAM Support Facility, [REDACTED]	48-26-20N 44-30-05E	UR 0235-21	Type I (rectangular)			
17	Volgograd SAM Site C17-2, [REDACTED]	48-17-00N 44-38-00E	UR 0235-21	SA-2, daisy			
18	Volgograd SAM Site B15-2, [REDACTED]	48-26-50N 44-49-20E	UR 0235-22	SA-2, link			
19	Volgograd SAM Site B09-2, [REDACTED]	48-42-20N 44-55-10E	UR 0235-22	SA-2, link			
E. Kapustin Yar/Vladimirovka SAM Defenses (in defense of Kapustin Yar/Vladimirovka Missile Test Center--KY/Vlad MTC--and Vladimirovka Advanced Weapons and Research Complex--VAWARC: R & D facilities for SAM, MRBM, IRBM, ASM, and cruise missile systems)							
20	KY/Vlad MTC SAM Site, B30-2, [REDACTED]	48-47-00N 45-44-00E	UR 0235-22	SA-2, star	[REDACTED]		This unrecognted site is adjacent to SAM Site A04-2. It was formerly carried as a Category 2 SA-0 SAM site.
21	KY/Vlad MTC SAM Site B21-2, [REDACTED]	48-33-00N 45-53-20E	UR 0235-22	SA-2, star			
22	Akhtubinsk SAM Site A03-2, [REDACTED]	48-21-55N 46-13-05E	UR 0235-22	SA-2, star			
23	Akhtubinsk SAM Site A04-2, [REDACTED]	48-24-05N 46-15-40E	UR 0235-22	SA-2, probable star			
24	Akhtubinsk SAM Site A04A-2, [REDACTED]	48-24-00N 46-15-35E	UR 0235-22	SA-2, configuration undetermined			
25	KY/Vlad MTC SAM Site B09-2, [REDACTED]	48-42-05N 46-16-00E	UR 0235-22	SA-2, star			
26	KY/Vlad MTC SAM Launch Complex, [REDACTED]	48-48-00N 45-45-00E	UR 0235-22	SAM R & D and training center			

TOP SECRET

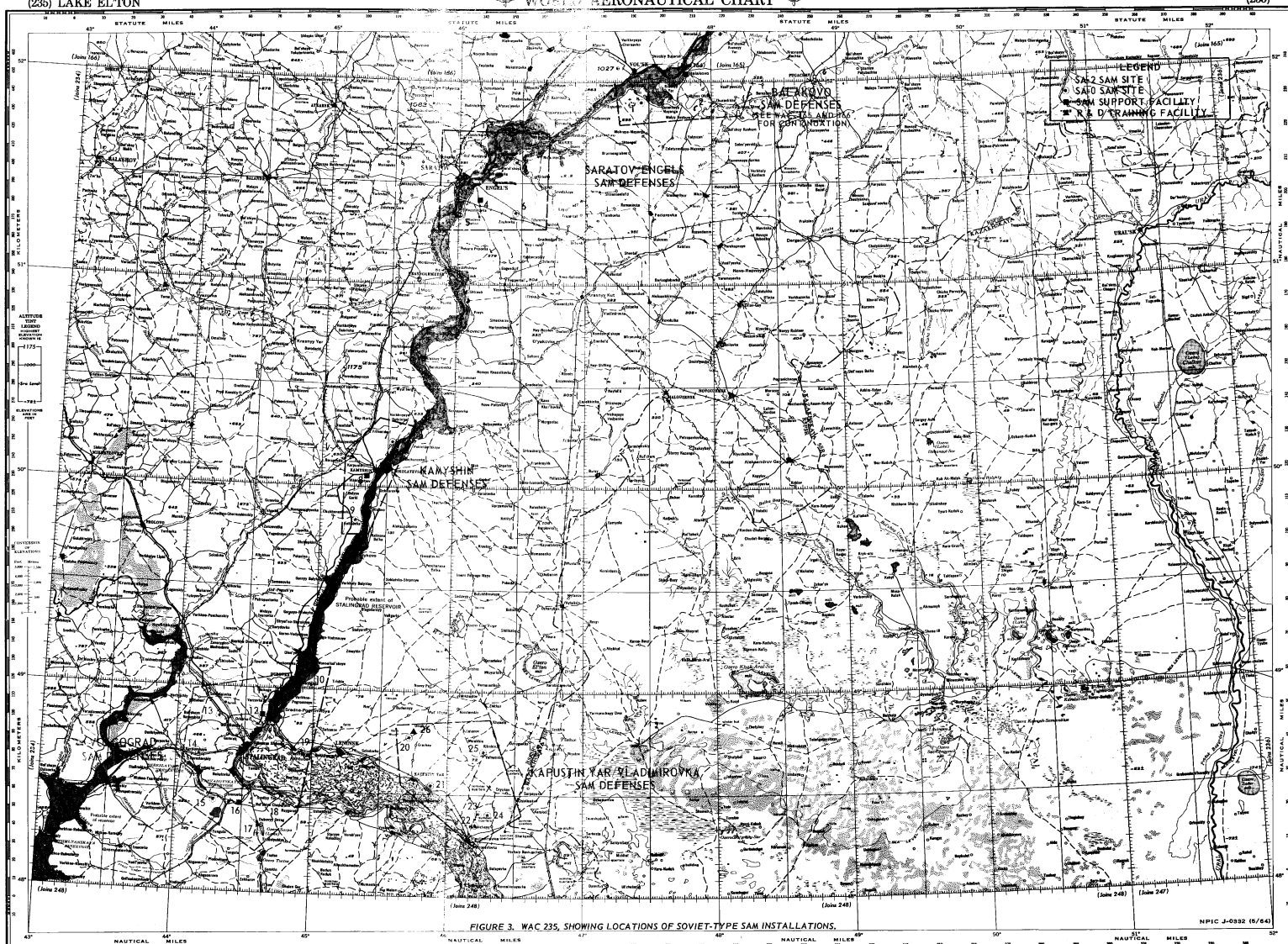
TOP SECRET

(235) LAKE ELTON

Approved For Release 2003/12/18 : CIA-RDP02T06408R000100010031-5

CIA/PIR-15/64

(235)



(235)

TOP SECRET

(235)

25X1

25X1 TOP SECRET

CIA/PIR-15/64

Approved For Release 2003/12/18 : CIA-RDP02T06408R000100010031-5

Table 2. SAM Installations on WAC 236

Item	Name, Site Designator, & BE No	Coordinates	Country & Map Ref	Type & Configuration	Mission & Date First Appears	Mission & Date Installation Negated	Remarks	
A. Orenburg SAM Defenses (in defense of major transportation, industrial, and military complex in southern Urals region: locomotive, vehicle, and tractor parts; ammunition, tools, machinery, and airframes)								
1	Orenburg SAM Site A25-2, [REDACTED]	51-45-00N 54-56-25E	UR 0236-2	SA-2, configuration undetermined	[REDACTED]		Although the Orenburg area appears to have strategic significance, this is the only SAM site identified thus far in the area, and it appears to be a training site.	
B. Aktyubinsk IRBM Complex SAM Defenses (in defense of Aktyubinsk IRBM Complex)								
2	Aktyubinsk SAM Site	49-48-50N 56-26-30E	UR 0236-13	SA-2, configuration undetermined			The launch positions at this site are revetted, but no service road configuration is visible. There are no site support buildings.	
3	Aktyubinsk SAM Site C21-2, [REDACTED]	49-52-40N 56-52-30E	UR 0236-13	SA-2, configuration undetermined				
4	Aktyubinsk SAM Site D20-2, [REDACTED]	49-45-00N 51-00-00E	UR 0236-13	SA-2, configuration undetermined				
5	Aktyubinsk SAM Site C17-2, [REDACTED]	49-53-25N 57-24-50E	UR 0236-13	SA-2, star				
6	Alga SAM Support Facility, [REDACTED]	49-55-00N 57-25-00E	UR 0236-14	Type II (square)				
C. Orsk SAM Defenses (in defense of Orsk: nickel combine, POL refining and storage facilities, heavy machinery plant; and metallurgical combine at Novo Troitsk)								
7	Orsk SAM Site C23-2, [REDACTED]	50-46-30N 57-37-10E	UR 0236-9	SA-2, probable star	[REDACTED]		This site is unrevetted.	
8	Orsk SAM Site B20-2, [REDACTED]	50-57-30N 58-25-00E	UR 0236-9	SA-2, star			This site is unrevetted.	
9	Orsk SAM Site B20A-2, [REDACTED]	50-57-30N 58-25-05E	UR 0236-9	SA-2, configuration undetermined				
10	Orsk SAM Site B15-2, [REDACTED]	51-00-10N 58-50-35E	UR 0236-9	SA-2, probable star				
11	Orsk SAM Site B15A-2, [REDACTED]	51-00-12N 58-50-33E	UR 0236-9	SA-2, configuration undetermined				
12	Orsk SAM Site C10-2, [REDACTED]	51-14-20N 59-06-45E	UR 0236-4	SA-2, probable star				
13	Khalilovo SAM Support Facility, [REDACTED]	51-24-00N 58-02-30E	UR 0236-4	Type II (square)				

Approved For Release 2003/12/18 : CIA-RDP02T06408R000100010031-5

25X1 TOP SECRET

CIA/PIR-15/64

Approved For Release 2003/12/18 : CIA-RDP02T06408R000100010031-5

Table 3. SAM Installations on WAC 238

Item	Name, Site Designator, & BE No	Coordinates	Country & Map Ref	Type & Configuration	Mission & Date First Appears	Mission & Date Installation Negated	Remarks
A. Dolon Airfield SAM Defenses (in defense of Soviet Long Range Air Arm Base [REDACTED])							
1	Dolon SAM Site B30-2, [REDACTED]	50-36-50N 78-57-10E	UR 0288-10	SA-2, link	[REDACTED]	[REDACTED]	[REDACTED]
2	Dolon SAM Site C27-2, [REDACTED]	50-27-00N 78-34-00E	UR 0288-10	SA-2, link			
[REDACTED]							
C. Defense Role Undetermined							
4	Dolon SAM Site D28A-2, [REDACTED]	50-34-45N 78-11-40E	UR 0288-10	SA-2, configuration undetermined	[REDACTED]	[REDACTED]	This site is unrevetted.
5	Dolon SAM Site D28-2, [REDACTED]	50-34-45N 78-11-00E	UR 0288-10	SA-2, probable link			

Approved For Release 2003/12/18 : CIA-RDP02T06408R000100010031-5

TOP SECRET



25X1 TOP SECRET

CIA/PIR-15/64

Approved For Release 2003/12/18 : CIA-RDP02T06408R000100010031-5

Table 4. SAM Installations on WAC 239

Item	Name, Site Designator, & BE No	Coordinates	Country & Map Ref	Type & Configuration	Mission & Date First Appears	Mission & Date Installation Negated	Remarks
A. Dolon Airfield SAM Defenses (in defense of Soviet Long Range Air Arm Base [redacted])							
1	Dolon SAM Site B22-2, [redacted]	50-28-59N 79-02-10E	UR 0289-11	SA-2, link	[redacted]		
2	Dolon SAM Site A15-2, [redacted]	50-28-10N 79-21-30E	UR 0289-11	SA-2, link			
3	Dolon SAM Support Facility, [redacted]	50-27-10N 79-13-30E	UR 0289-8	Type I (rectangular)			
4	Dolon SAM Site A04-2, [redacted]	50-27-30N 79-19-40E	UR 0289-6	SA-2, probable link			
B. Rubtsovsk Area SAM Defenses (probably in defense of Central Asian border of USSR and Rubtsovsk tractor plant and power plant)							
5	Rubtsovsk SAM Site B30-2, [redacted]	51-33-10N 80-49-05E	UR 0239-2	SA-2, link	[redacted]		
6	Rubtsovsk SAM Support Facility, [redacted]	51-29-00N 81-08-30E	UR 0239-2	Type II (square)			
7	Rubtsovsk SAM Site B20-2, [redacted]	51-20-15N 81-06-00E	UR 0239-2	SA-2, link			
8	Rubtsovsk SAM Site A08-2, [redacted]	51-31-30N 81-26-10E	UR 0239-2	SA-2, configuration undetermined			
C. USSR Central Asian Border Defenses (in defense of the Central Asian border of the USSR)							
9	Ayaguz SAM Site B08-2, [redacted]	48-10-00N 80-30-00E	UR AMS Series 1301 Shoot NM-44, 2d ed, Mar 56	SA-2, link			
D. Zyryanovsk SAM Defenses (defense role undetermined)							
10	Ust Kamenogorsk SAM Site C15-2, [redacted]	49-36-05N 83-03-25E	UR 0239-13	SA-2, configuration undetermined	[redacted]		
11	Zyryanovsk SAM Site C28-2, [redacted]	49-44-20N 83-36-15E	UR 0239-13	SA-2, link			
12	Serebryanka SAM Support Facility	49-40-40N 83-12-50E	UR 0239-13	Type II (square)			

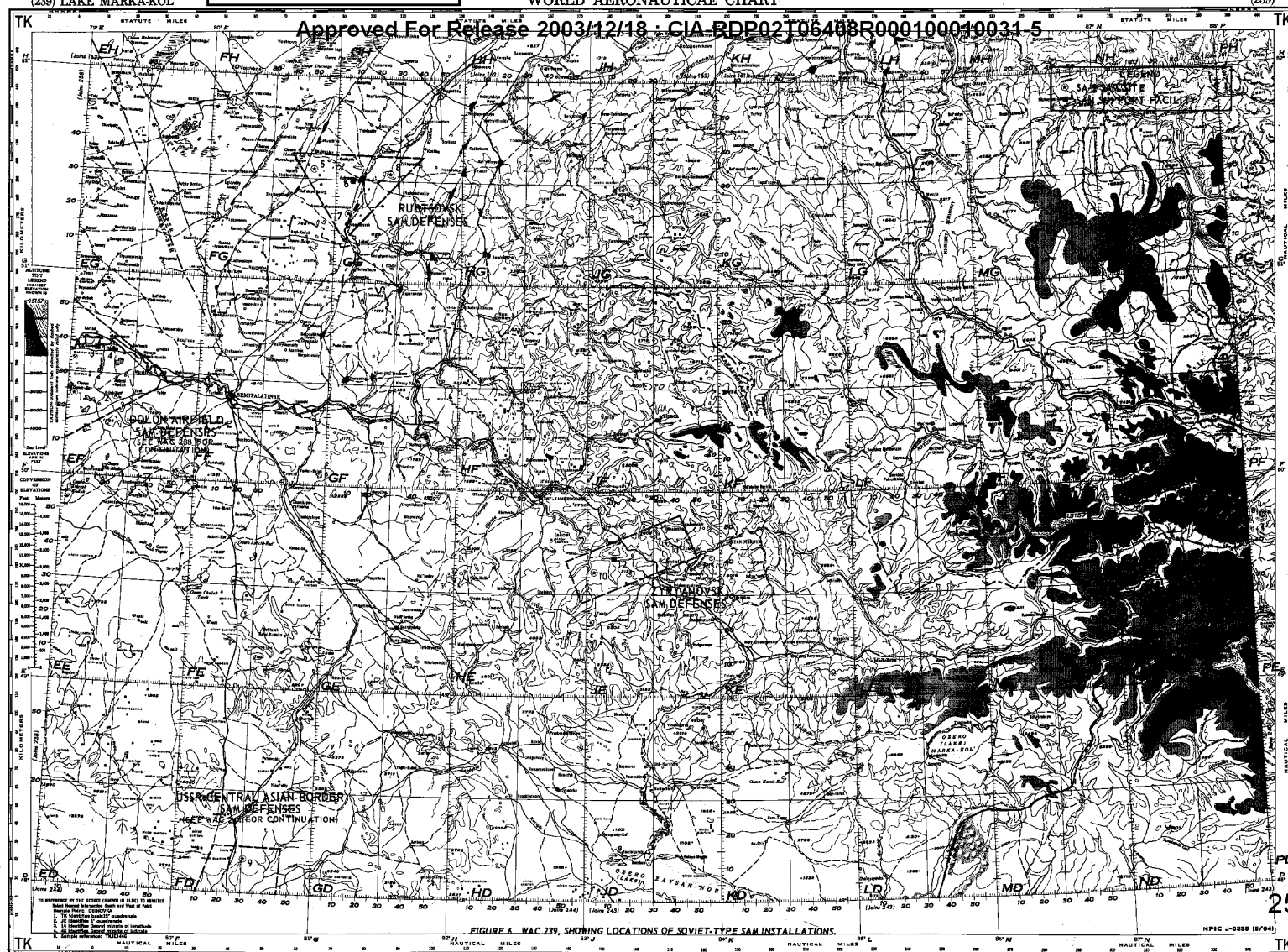
Approved For Release 2003/12/18 : CIA-RDP02T06408R000100010031-5

25X1 TOP SECRET
(239) LAKE MARKA-KOL

WORLD AERONAUTICAL CHART

CIA/PIR-15/64 (239)

Approved For Release 2003/12/18 : CIA-RDP02T06408R000100010031-5



Approved For Release 2003/12/18 : CIA-RDP02T06408R000100010031-5

Approved For Release 2003/12/18 : CIA-RDP02T06408R000100010031-5

Table 5. SAM Installations on WAC 244

Item	Name, Site Designator, & BE No	Coordinates	Country & Map Ref	Type & Configuration	Mission & Date First Appears	Mission & Date Installation Negated	Remarks
A. USSR Central Asian Border SAM Defenses (in defense of the central Asian border of the USSR)							
25X1 1	Sary Ozek SAM Site B24-2, [REDACTED]	44-11-15N 77-37-10E	UR 0244-22	SA-2, link	[REDACTED]		Also defends Sary Ozek IRBM Complex. Also defends Sary Ozek IRBM Complex. Also defends Sary Ozek IRBM Complex. Also defends Sary Ozek IRBM Complex. A secured vehicle park is one nm east. [REDACTED] It contained 20 missile transporters, 15 transporter-trailers, 6 prime movers, 2 loaded missile transporters, and numerous canisters. The installation is similar to several SAM assembly areas seen in Cuba.
2	Sary Ozek SAM Site A15-2, [REDACTED]	44-21-00N 78-00-00E	UR 0244-22	SA-2, link			
3	Sary Ozek SAM Site B29-2, [REDACTED]	44-28-05N 77-31-35E	UR 0244-22	SA-2, probable link			
4	Sary Ozek SAM Site B36-2, [REDACTED]	44-27-00N 77-57-50E	UR 0244-22	SA-2, link			
5	Sary Ozek SAM Support Facility	44-27-30N 77-57-30E	UR 0244-22	Type II (square)			
25X1 6	Ush-Tohe SAM Site B19-2, [REDACTED]	44-59-05N 77-56-10E	UR 0244-17	SA-2, link	[REDACTED]		This unrevetted site is collocated with Aktogay SAM Site B02-2. It was previously carried as a Category 2 SA-0 SAM Site.
25X1 7	Ush-Tohe SAM Site A02-2, [REDACTED]	45-23-40N 78-01-45E	UR 0244-17	SA-2, link			
25X1 8	Ush-Tohe SAM Site D08-2, [REDACTED]	45-24-10N 78-39-40E	UR 0244-18	SA-2, link			
25X1 9	Lepay SAM Site C21-2, [REDACTED]	45-52-40N 78-43-15E	UR 0244-13	SA-2, link			
25X1 10	Lepay SAM Site A05-2, [REDACTED]	46-14-55N 78-57-10E	UR 0244-13	SA-2, link			
25X1 11	Akbalyk SAM Site A10-2, [REDACTED]	46-34-45N 79-16-00E	UR 0244-8	SA-2, link			
25X1 12	Aktogay SAM Site A19-2, [REDACTED]	46-49-05N 79-38-50E	UR 0244-8	SA-2, configuration undetermined			
25X1 13	Aktogay SAM Site B02-2, [REDACTED]	47-09-45N 79-43-05E	UR 0244-8	SA-2, link			
25X1 14	Aktogay SAM Site	47-09-40N 79-42-30E	UR 0244-8	SA-2, configuration undetermined			
25X1 15	Aktogay SAM Site B02A-2, [REDACTED]	47-10-55N 79-42-55E	UR 0244-8	SA-2, link			
25X1 16	Ayaguz SAM Site A19-2, [REDACTED]	47-47-30N 80-22-30E	UR 0244-4	SA-2, link			

25X1 TOP SECRET
(244) ALA LAKE

WORLD AERONAUTICAL CHART

CIA/PIR-15/64 (244)

Approved For Release 2003/12/18 : CIA-RDP02T06408R000100010031-5

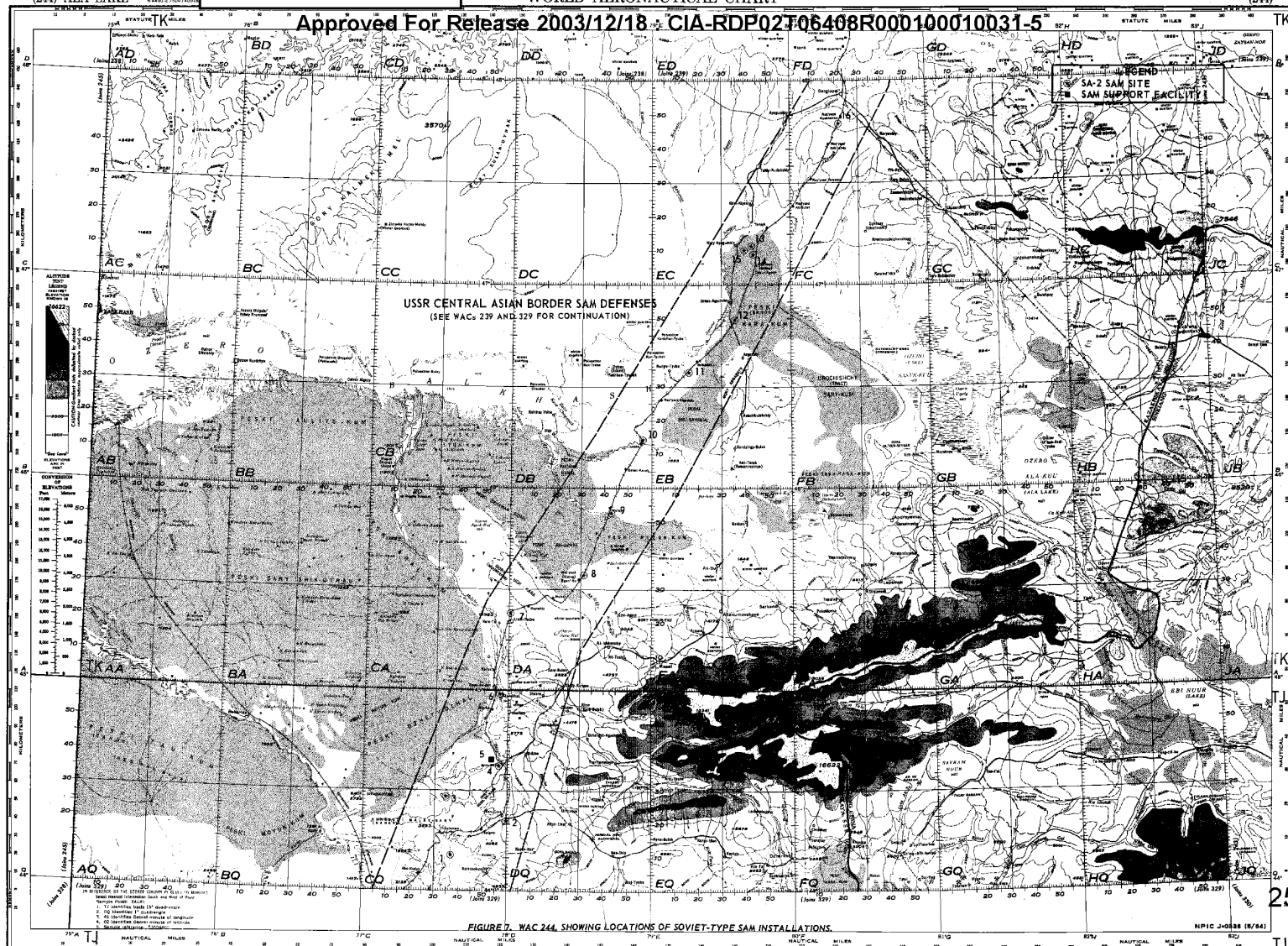


FIGURE 7. WAC 244. SHOWING LOCATIONS OF SOVIET-TYPE SAM INSTALLATIONS.

Approved For Release 2003/12/18 : CIA-RDP02T06408R000100010031-5

25X1 TOP SECRET

CIA/PIR-15/64

Approved For Release 2003/12/18 : CIA-RDP02T06408R000100010031-5

Table 6. SAM Installations on WAC 245

Item	Name, Site Designator, & BE No	Coordinates	Country & Map Ref	Type & Configuration	Mission & Date First Appears	Mission & Date Installation Negated	Remarks
A. Sary-Shagan SAM Defenses (in defense of Sary-Shagan Antimissile Test Center--SSATC. Rather than forming an actual defense complex, these sites consist of a group of point defenses required by the extensive area covered by the Sary-Shagan facilities)							
1	SSATC SAM Site B27-2, [REDACTED]	45-59-30N 72-31-40E	UR 0245-14	SA-2, star	[REDACTED]		This site is located at Launch Complex B, Sary-Shagan.
2	SSATC SAM Site C35-2, [REDACTED]	46-22-10N 72-51-30E	UR 0245-14	SA-2, star			This site is located at Launch Complex A, Sary-Shagan.
3	SSATC SAM Support Facility, [REDACTED]	46-03-10N 72-28-00E	UR 0245-15	Type II (square)			This facility is located at the Support Base, Sary-Shagan.
4	SSATC SAM Site A26-2, [REDACTED]	46-05-15N 72-31-10E	UR 0245-15	SA-2, star			This site is located at the Support Base, Sary-Shagan.
5	SSATC SAM Site B19-2, [REDACTED]	45-48-00N 72-35-45E	UR 0245-15	SA-2, star			This site is located near Instrumentation Site 1 and the Flim Flam station, Sary-Shagan.
6	SSATC, Launch Complex A, [REDACTED]	46-23-00N 72-52-00E	UR 0245-14	See remarks			The entire test center is apparently engaged in AMM-related activity, but Launch Complex A is the most likely AMM launch area.
B. Operational Role Undetermined							
7	SSATC SAM Training Center, [REDACTED]	45-25-00N 72-20-00E	UR 0245-19	SAM training center			This training center has at least three, and probably five, launch sites. The associated facilities do not appear adequate to support a large, sustained effort.

Approved For Release 2003/12/18 : CIA-RDP02T06408R000100010031-5

25X1 TOP SECRET

(245)

Approved For Release 2003/12/18 : CIA-RDP02T06408R000100010031-5

CIA/PIR-15/64

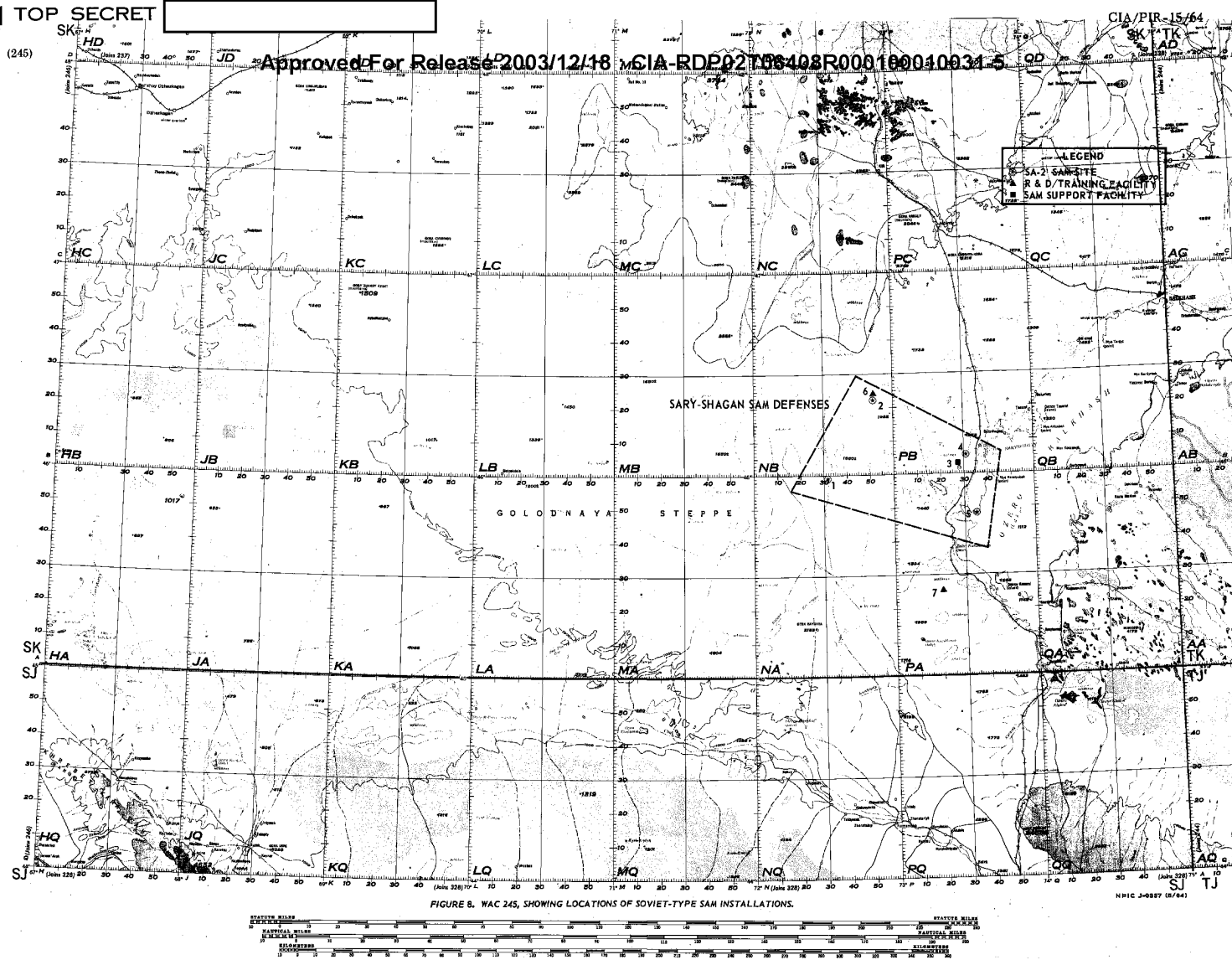
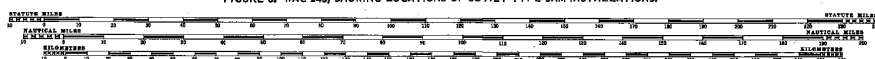


FIGURE 8. WAC 245, SHOWING LOCATIONS OF SOVIET-TYPE SAM INSTALLATIONS.

NDIC J-0027 (5/64)



Approved For Release 2003/12/18 : CIA-RDP02T06408R000100010031-5

TOP SECRET

25X

25X1 TOP SECRET

CIA/PIR-15/64

Approved For Release 2003/12/18 : CIA-RDP02T06408R000100010031-5

Table 7. SAM Installations on WAC 246

Item	Name, Site Designator, & BE No	Coordinates	Country & Map Ref	Type & Configuration	Mission & Date First Appears	Mission & Date Installation Negated	Remarks
A. Tyuratam SAM Defenses (in defense of Tyuratam Missile Test Center--TTMTC: Soviet ICBM and space research and development center)							
1	TTMTC SAM Site B26-2, [REDACTED]	45-51-46N 68-02-20E	UR 0246-13	SA-2, configuration undetermined	[REDACTED]		
2	TTMTC SAM Site B26A-2, [REDACTED]	45-51-40N 68-03-20E	UR 0246-13	SA-2, configuration undetermined			This unvetted site was previously carried as a category 2 SA-0 SAM Site.
3	TTMTC SAM Site B26B-2, [REDACTED]	45-51-35N 68-02-50E	UR 0246-13	SA-2, configuration undetermined			This unvetted site was previously carried as a category 2 SA-0 SAM Site.
4	TTMTC SAM Site B32-2, [REDACTED]	46-04-10N 68-14-30E	UR 0246-13	SA-2, configuration undetermined			
5	TTMTC SAM Site B32A-2, [REDACTED]	46-08-55N 68-14-10E	UR 0246-13	SA-2, configuration undetermined			This unvetted site was previously carried as a category 2 SA-0 SAM Site.
6	TTMTC SAM Site B32B-2, [REDACTED]	46-04-00N 68-15-00E	UR 0246-13	SA-2, configuration undetermined			This site is unvetted.
7	TTMTC SAM Site B03-2, [REDACTED]	46-09-40N 68-36-30E	UR 0246-13	SA-2, configuration undetermined			
8	TTMTC SAM Site B03A-2, [REDACTED]	46-09-20N 68-36-50E	UR 0246-13	SA-2, configuration undetermined			This unvetted site was previously carried as a category 2 SA-0 SAM Site.
9	TTMTC SAM Site B08-2, [REDACTED]	46-00-30N 68-55-10E	UR 0246-14	SA-2, configuration undetermined			
10	TTMTC SAM Site B08A-2, [REDACTED]	46-00-20N 68-54-40E	UR 0246-14	SA-2, configuration undetermined			This unvetted site was previously carried as a category 2 SA-0 SAM Site.
11	TTMTC SAM Site B08B-2, [REDACTED]	46-00-00N 68-54-30E	UR 0246-14	SA-2, configuration undetermined			This unvetted site was previously carried as a category 2 SA-0 SAM Site.
12	TTMTC SAM Site B13-2, [REDACTED]	45-48-50N 68-43-55E	UR 0246-13	SA-2, configuration undetermined			
13	TTMTC SAM Site B13A-2, [REDACTED]	45-48-25N 68-44-15E	UR 0246-13	SA-2, configuration undetermined			This unvetted site was previously carried as a category 2 SA-0 SAM Site.
14	TTMTC SAM Site B13B-2, [REDACTED]	45-48-48N 68-44-50E	UR 0246-13	SA-2, configuration undetermined			This unvetted site was previously carried as a category 2 SA-0 SAM Site.
15	TTMTC SAM Site B21-2, [REDACTED]	45-42-40N 68-20-20E	UR 0246-13	SA-2, configuration undetermined			
16	TTMTC SAM Site B21A-2, [REDACTED]	45-42-50N 68-20-20E	UR 0246-13	SA-2, configuration undetermined			This unvetted site was previously carried as a category 2 SA-0 SAM Site.
17	TTMTC SAM Support Facility, [REDACTED]	45-53-30N 68-25-50E	UR 0246-13	Type I (rectangular)			

25X1 TOP SECRET

WORLD AERONAUTICAL CHART

CIA/PIR-15/64 (246)

Approved For Release 2003/12/18 : CIA-RDP02T06408R000100010031-5

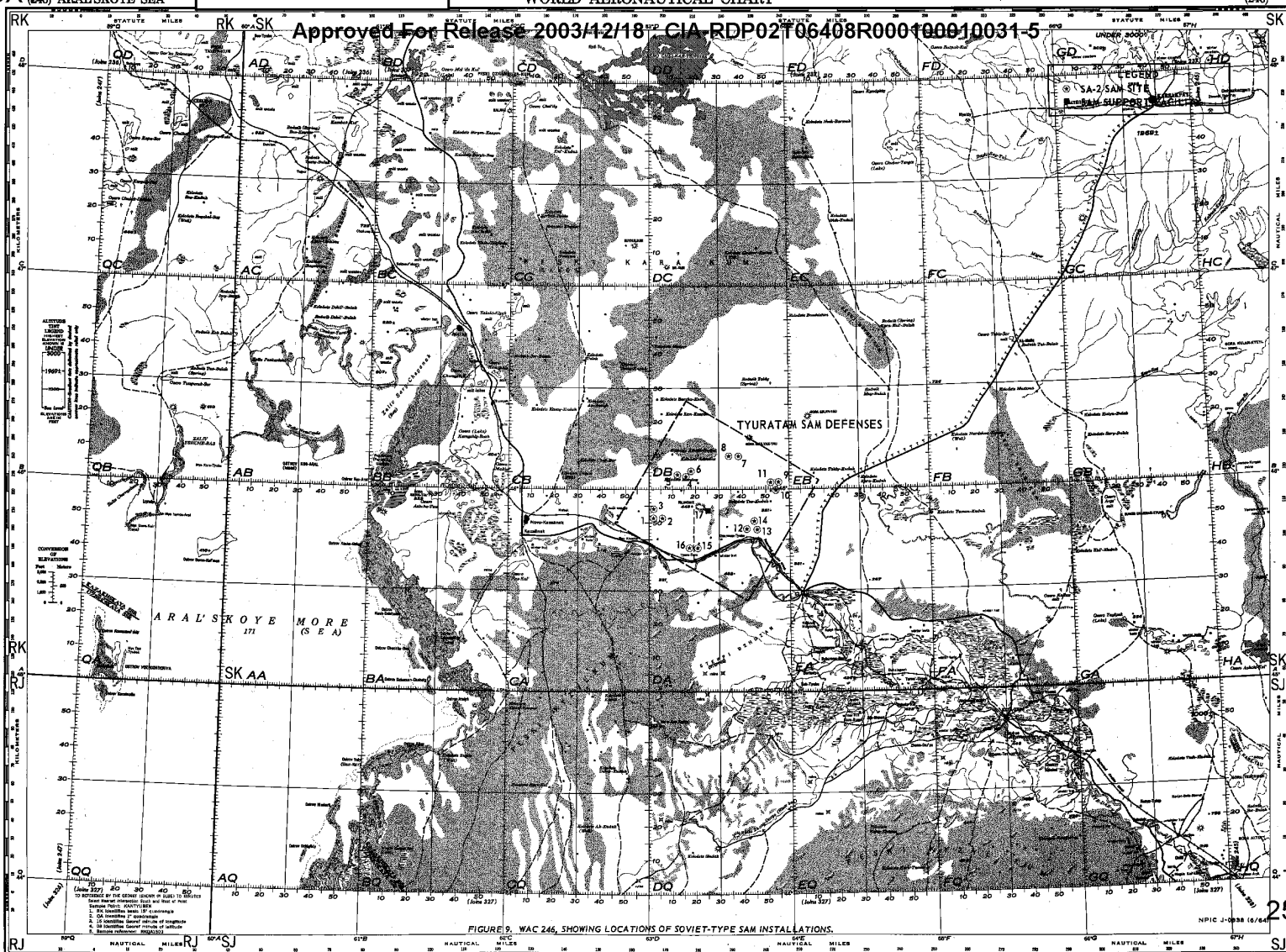


FIGURE 9, WAC 246, SHOWING LOCATIONS OF SOVIET-TYPE SAM INSTALLATIONS.

Approved For Release 2003/12/18 : CIA-RDP02T06408R000100010031-5

25X1 TOP SECRET

CIA/PIR-15/64

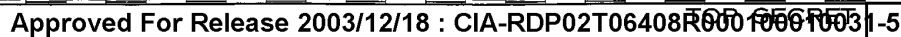
Approved For Release 2003/12/18 : CIA-RDP02T06408R000100010031-5

Table 8. SAM Installations on WAC 248

Item	Name, Site Designator, & BE No	Coordinates	Country & Map Ref	Type & Configuration	Mission & Date First Appears	Mission & Date Installation Negated	Remarks
A. Astrakhan SAM Defenses (in defense of major Caspian Sea port with shipyards, strategic transportation, and POL storage facilities)							
1	Astrakhan SAM Support Facility, [REDACTED]	46-26-00N 47-56-20E	UR 0248-9	Type II (square)	[REDACTED]		
2	Astrakhan SAM Site A34-2, [REDACTED]	46-26-08N 47-57-10E	UR 0248-9	SA-2, link			
3	Astrakhan SAM Site A14-2, [REDACTED]	46-14-50N 48-11-02E	UR 0248-14	SA-2, link			
B. Kordon SAM Training Area (no defense role--fulfills a training function only)							
4	Kordon SAM Training Area, [REDACTED]	47-24-00N 48-08-00E	UR PCL 248B	See remarks	[REDACTED]		The facilities at this installation consist of 9 SA-2 sites (5 fans, 1 link, 1 probable link, 2 undetermined), a Type I (rectangular) SAM support facility, a landing strip, and a housing and support area. The installation probably handles the largest portion of the Soviet SAM training program. Collateral reports indicate that Eastern European officers have undergone training in SA-2 systems here.

Approved For Release 2003/12/18 : CIA-RDP02T06408R000100010031-5

CIA/PIR-15/64 (248)



Approved For Release 2003/12/18 : CIA-RDP02T06408R000100010031-5

Table 9. SAM Installations on WAC 249

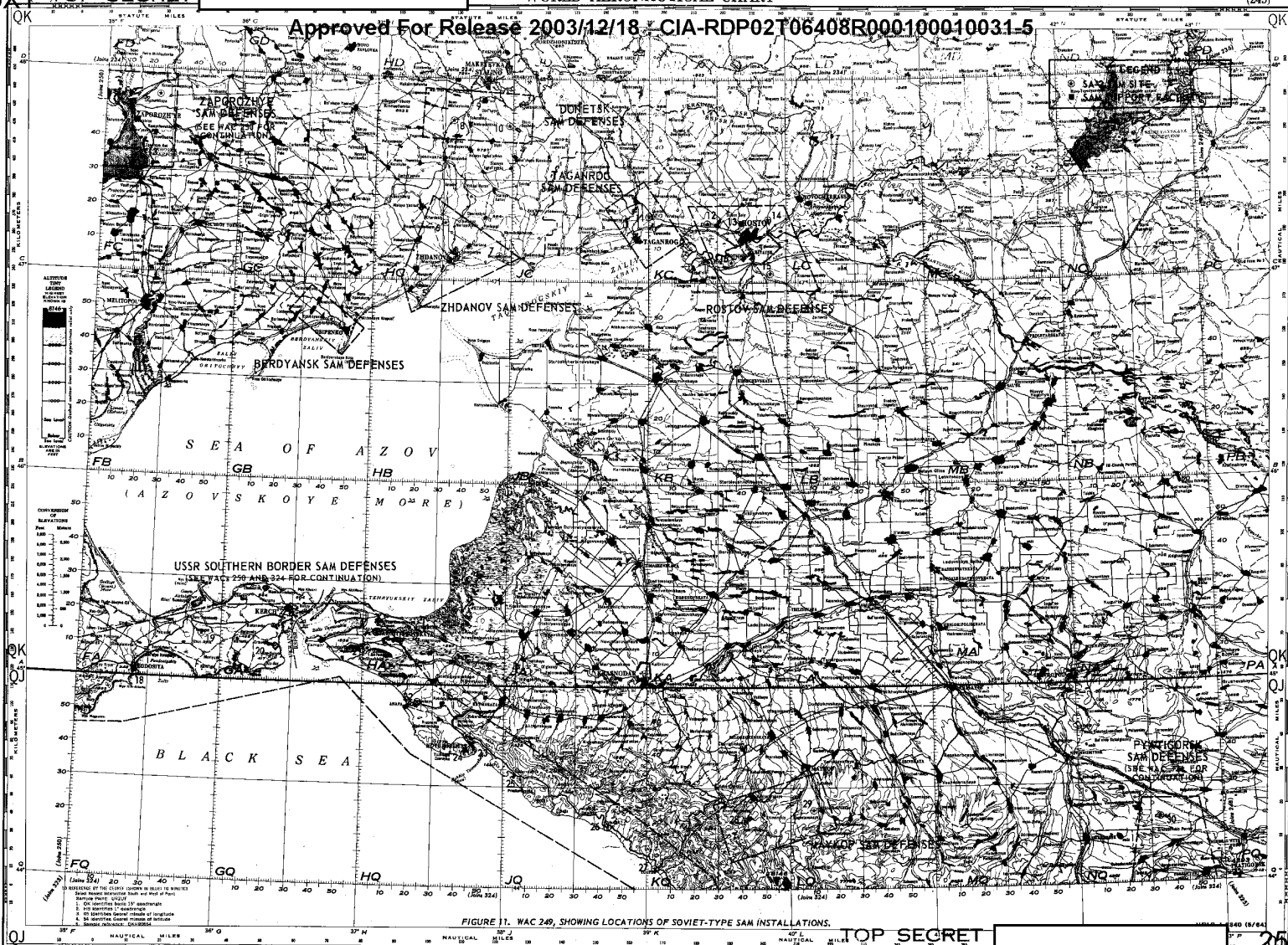
Item	Name, Site Designator, & BE No	Coordinates	Country & Map Ref	Type & Configuration	Mission & Date First Appears	Mission & Date Installation Negated	Remarks	
A. Zaporozhye SAM Defenses (in defense of Zaporozhye: a major industrial complex which includes an alumina plant, an aluminum plant, a large steel plant, and an aircraft engine plant)								
1	Zaporozhye SAM Site B08-2, [REDACTED]	47-52-25N 35-24-30E	UR 0249-1	SA-2, star	[REDACTED]			
2	Zaporozhye SAM Support Facility, [REDACTED]	47-44-40N 35-15-50E	UR 0249-1	Type II (square)				
3	Zaporozhye SAM Site B18-2, [REDACTED]	47-36-25N 35-18-15E	UR 0249-1	SA-2, star				
B. Berdyansk SAM Defenses (in defense of Berdyansk)								
4	Berdyansk SAM Site A30-2, [REDACTED]	46-47-20N 36-41-45E	UR 0249-7	SA-2, star	[REDACTED]			
C. Zhdanov SAM Defenses* (in defense of Zhdanov: a major industrial and port complex on the Azov Sea)								
5	Zhdanov SAM Site B23-2, [REDACTED]	46-58-10N 37-30-00E	UR 0249-7	SA-2, star				
6	Zhdanov SAM Site B36-2, [REDACTED]	47-16-45N 37-31-40E	UR 0249-2	SA-2, star	[REDACTED]			
7	Zhdanov SAM Site B09-2, [REDACTED]	47-07-45N 37-54-00E	UR 0249-7	SA-2, star				
D. Donetsk SAM Defenses (in defense of Donetsk: a large industrial complex which includes an ammunition plant, a coke-chemical plant, and an iron and steel plant)								
8	Donetsk SAM Site B22-2, [REDACTED]	47-47-00N 37-34-20E	UR 0249-2	SA-2, star	[REDACTED]			
9	Donetsk SAM Support Facility, [REDACTED]	47-53-00N 37-47-15E	UR 0249-2	Type I (rectangular)				
10	Donetsk SAM Site B16-2, [REDACTED]	47-45-30N 37-59-45E	UR 0249-2	SA-2, star				
E. Taganrog SAM Defenses* (in defense of Taganrog: industrial production--airframes, munitions, metallurgy; and transportation center)								
11	Taganrog SAM Site A04-2, [REDACTED]	47-19-10N 39-00-30E	UR 0249-3	SA-2, star	[REDACTED]			
F. Rostov SAM Defenses* (in defense of Rostov--a major industrial production center: aircraft assembly and machinery, POL storage, port and rail facilities)								
12	Rostov SAM Site B29-2, [REDACTED]	47-17-25N 39-26-50E	UR 0249-3	SA-2, link	[REDACTED]			
13	Rostov SAM Support Facility, [REDACTED]	47-17-30N 39-40-30E	UR 0249-3	Type I (rectangular)				
14	Rostov SAM Site A06-2, [REDACTED]	47-18-00N 39-52-05E	UR 0249-4	SA-2, star				
15	Rostov SAM Site B16-2, [REDACTED]	47-01-55N 39-53-45E	UR 0249-9	SA-2, link				
16	Rostov SAM Site B21-2, [REDACTED]	47-05-15N 39-36-35E	UR 0249-8	SA-2, star				
G. USSR Southern Border SAM Defenses (in defense of the southern border of the USSR; major naval base and POL storage at Feodosiya; naval POL storage, and rail facilities at Novorossiysk and Tuapse; air defense sector and fighter division headquarters at Krymsk; iron, steel, coke-chemical plants, POL storage, major air base with special weapons storage, air defense sector headquarters, and naval facilities at Kerch)								
17	Feodosiya SAM Site B24-2, [REDACTED]	44-49-40N 35-02-15E	UR 0249-16	SA-2, star	[REDACTED]			
18	Feodosiya SAM Site A18-2, [REDACTED]	45-00-40N 35-28-50E	UR 0249-16	SA-2, star				
19	Feodosiya SAM Site C06-2, [REDACTED]	45-13-40N 35-59-05E	UR 0249-16	SA-2, star				
20	Kerch SAM Site B20-2, [REDACTED]	45-07-50N 36-21-00E	UR 0249-16	SA-2, star				
21	Anapa SAM Site C38-2, [REDACTED]	45-10-10N 37-01-39E	UR 0249-17	SA-2, configuration undetermined				
22	Anapa SAM Site A07-2, [REDACTED]	44-54-20N 37-23-20E	UR 0249-17	SA-2, star				
23	Novorossiysk SAM Site A18-2, [REDACTED]	44-40-10N 37-47-00E	UR 0249-22	SA-2, star				
24	Novorossiysk SAM Support Facility, [REDACTED]	44-40-15N 37-46-45E	UR 0249-22	Type II (square)				
25	Novorossiysk SAM Site B13-2, [REDACTED]	44-32-20N 38-06-30E	UR 0249-22	SA-2, star				
26	Tuapse SAM Site C31-2, [REDACTED]	44-18-50N 38-48-00E	UR 0249-23	SA-2, star				
27	Tuapse SAM Site [REDACTED]	44-05-50N 39-02-40E	UR 0249-23	SA-2 (see remarks)			This site is on the summit of a narrow ridge. It displays no configuration; the service roads merely follow the contours of the ridge.	
H. Maykop MRBM Complex SAM Defenses** (in defense of Maykop MRBM Complex)								
28	Maykop SAM Site C23-2, [REDACTED]	44-20-30N 39-41-10E	UR 0249-23	SA-2, star	[REDACTED]			
29	Maykop MRBM Complex SAM Site A13-2, [REDACTED]	44-23-40N 40-09-10E	UR 0249-24	SA-2, star				
I. Pyatigorsk SAM Defenses** (in defense of Pyatigorsk)								
30	Pyatigorsk SAM Site C31-2, [REDACTED]	44-19-20N 42-32-00E	UR 0249-25	SA-2, star	[REDACTED]			

*These sites may represent part of the secondary barrier defense of the southern border of the USSR.

**These sites make up part of a secondary barrier stretching between the Black and Caspian Seas, along the northern edge of the Caucasus Mountains, in defense of southern border of the USSR.

Approved For Release 2003/12/18 : CIA-RDP02T06408R000100010031-5

Approved For Release 2003/12/18 : CIA-RDP02T06408R000100010031-5



25X1 TOP SECRET

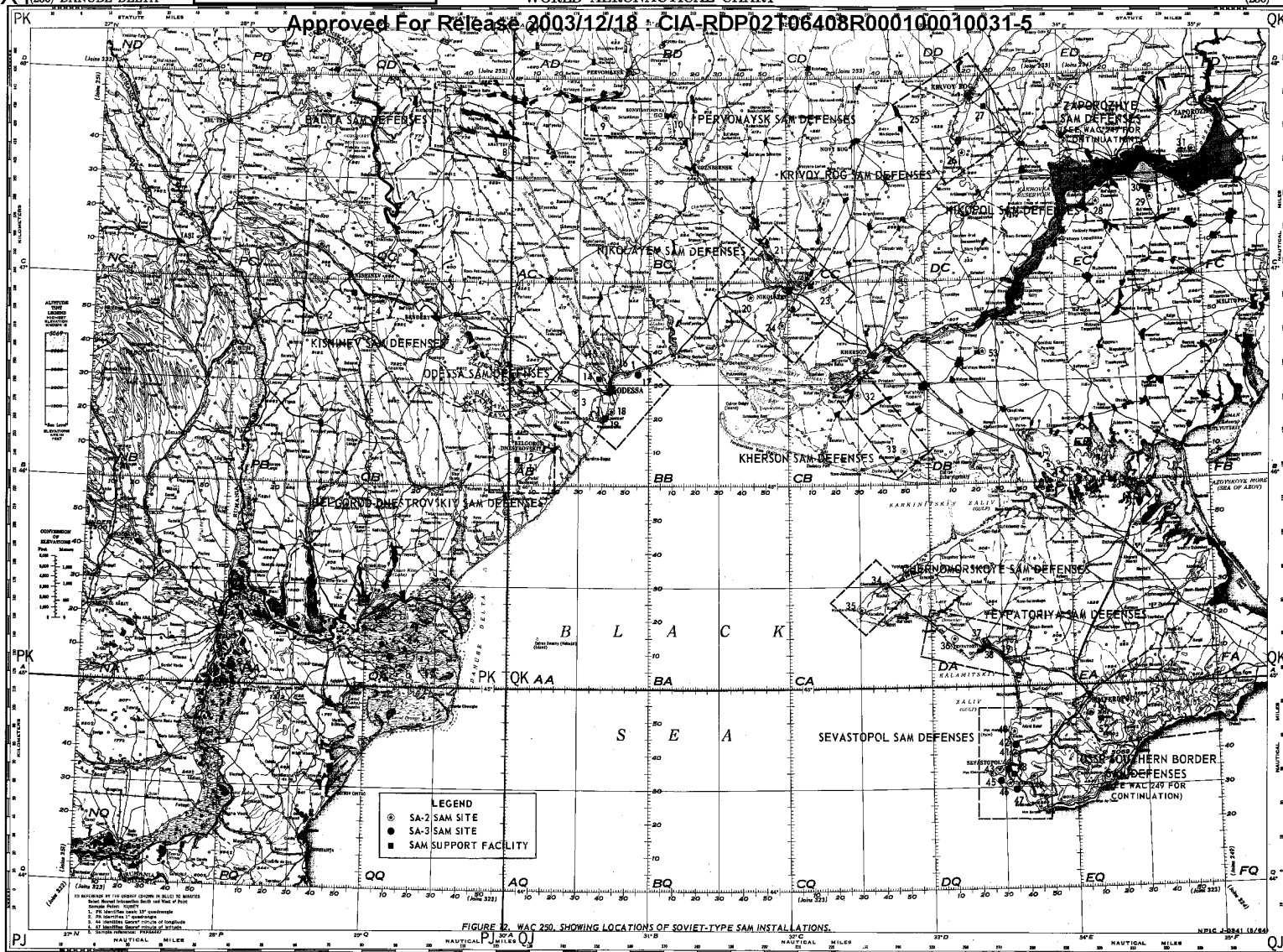
Approved For Release 2003/12/18 : CIA-RDP02T06408R000100010031-5

Table 10. SAM Installations on WAC 250

Item	Name, Site Designator, & BE No	Coordinates	Country & Map Ref	Type & Configuration	Mission & Date First Appears	Mission & Date Installation Negated	Remarks	
A. Kishinev SAM Defenses* (in defense of Kishinev, capital of the Moldavian SSR)								
1	Kishinev SAM Site B93-2, [REDACTED]	47-11-00N 28-38-20E	UR 0250-7	SA-2, link	[REDACTED]			
2	Kishinev SAM Site B92-2, [REDACTED]	46-49-20N 28-38-15E	UR 0250-7	SA-2, star				
3	Kishinev SAM Support Facility, [REDACTED]	46-57-30N 28-52-30E	UR 0250-7	Type II (square)				
4	Kishinev SAM Site B13-2, [REDACTED]	46-55-00N 29-04-00E	UR 0250-7	SA-2, star				
B. Baltia SAM Defenses (in defense of Baltia regional military storage installation [REDACTED] and Baltia MRBM Complex)								
5	Baltia MRBM Complex SAM Site A17-2, [REDACTED]	47-56-50N 29-36-20E	UR 0250-2	SA-2, configuration undetermined	[REDACTED]			
6	Kotovsk SAM Site A11-2, [REDACTED]	47-44-20N 29-37-30E	UR 0250-2	SA-2, star				
7	Baltia SAM Support Facility, [REDACTED]	47-44-45N 29-57-30E	UR 0250-2	Type II (square)				
8	Kotovsk SAM Site B11-2, [REDACTED]	47-41-10N 30-00-00E	UR 0250-2	SA-2, star				
C. Pervomaysk SAM Defenses (in defense of Pervomaysk IRBM Complex)								
9	Pervomaysk SAM Site B21-2, [REDACTED]	47-49-20N 30-41-05E	UR 0250-3	SA-2, star	[REDACTED]			
10	Pervomaysk SAM Site B14-2, [REDACTED]	47-50-10N 31-11-00E	UR 0250-3	SA-2, star				
D. Belgorod-Dnestrovskiy SAM Defenses* (in defense of Belgorod-Dnestrovskiy)								
11	Belgorod-Dnestrovskiy SAM Site B25-2, [REDACTED]	46-07-25N 30-04-10E	UR 0250-12	SA-2, star	[REDACTED]			
12	Kolesnoye SAM Support Facility, [REDACTED]	46-07-30N 30-04-10E	UR 0250-12	Type II (square)				
E. Odessa SAM Defenses* (in defense of Odessa-major industrial and military center and important Black Sea port: shipyard; mining and agricultural machinery production; POL refinery; vehicle assembly plants; Odessa military district and air defense sector headquarters)								
13	Odessa SAM Site A28-2, [REDACTED]	46-28-42N 30-29-30E	UR 0250-8	SA-2, star	[REDACTED]			
14	Odessa SAM Support Facility, [REDACTED]	46-32-00N 30-39-00E	UR 0250-8	Type I (rectangular)				
15	Odessa SAM Site B35-2, [REDACTED]	46-39-25N 30-40-10E	UR 0250-8	SA-2, star				
16	Odessa SAM Site A05-2, [REDACTED]	46-33-34N 30-52-10E	UR 0250-8	SA-2, fan				
17	Odessa SAM Site A05-3, [REDACTED]	46-34-40N 30-53-00E	UR 0250-8	SA-3, configuration F	[REDACTED]			
18	Odessa SAM Site A19-2, [REDACTED]	46-22-15N 30-44-15E	UR 0250-8	SA-2, star				
19	Odessa SAM Site A18-3, [REDACTED]	46-21-55N 30-42-40E	UR 0250-13	SA-3, configuration F				
F. Nikolayev SAM Defenses* (in defense of Nikolayev, a major port The Black Sea area: two major shipyards and a light jet bomber base)								
20	Nikolayev SAM Site B27-2, [REDACTED]	46-58-55N 31-44-35E	UR 0250-8	SA-2, star	[REDACTED]			
21	Nikolayev SAM Site B35-2, [REDACTED]	47-07-50N 31-55-00E	UR 0250-9	SA-2, star				
22	Nikolayev SAM Support Facility, [REDACTED]	46-59-00N 32-09-00E	UR 0250-9	Type I (rectangular)				
23	Nikolayev SAM Site B09-2, [REDACTED]	46-58-00N 32-15-30E	UR 0250-9	SA-2, star				
24	Nikolayev SAM Site A19-2, [REDACTED]	46-48-15N 31-58-00E	UR 0250-9	SA-2, star	[REDACTED]			
G. Krivoy Rog SAM Defenses (in defense of Krivoy Rog, center of the Krivoy Rog iron-ore range, and large industrial complex: large metallurgical plant and numerous heavy industries; air base for fighters and light bombers)								
25	Krivoy Rog SAM Site B26-2, [REDACTED]	47-50-05N 33-01-30E	UR 0250-4	SA-2, star		[REDACTED]		
26	Krivoy Rog SAM Site B19-2, [REDACTED]	47-38-45N 33-17-50E	UR 0250-4	SA-2, link				
27	Krivoy Rog SAM Support Facility, [REDACTED]	47-51-00N 33-28-30E	UR 0250-5	Type II (square)				

*Although these sites are grouped in defense of specific targets, they provide sufficient overlapping coverage to act as the southern border defense between Simferopol and the Rumanian border area. The obvious southern border defense begins with the Simferopol SAM sites and proceeds eastward.

Approved For Release 2003/12/18 : CIA-RDP02T06408R000100010031-5



Approved For Release 2003/12/18 : CIA-RDP02T06408R000100010031-5

25X1 TOP SECRET

CIA/PIR-15/64

Approved For Release 2003/12/18 : CIA-RDP02T06408R000100010031-5

Table 10. (Continued)

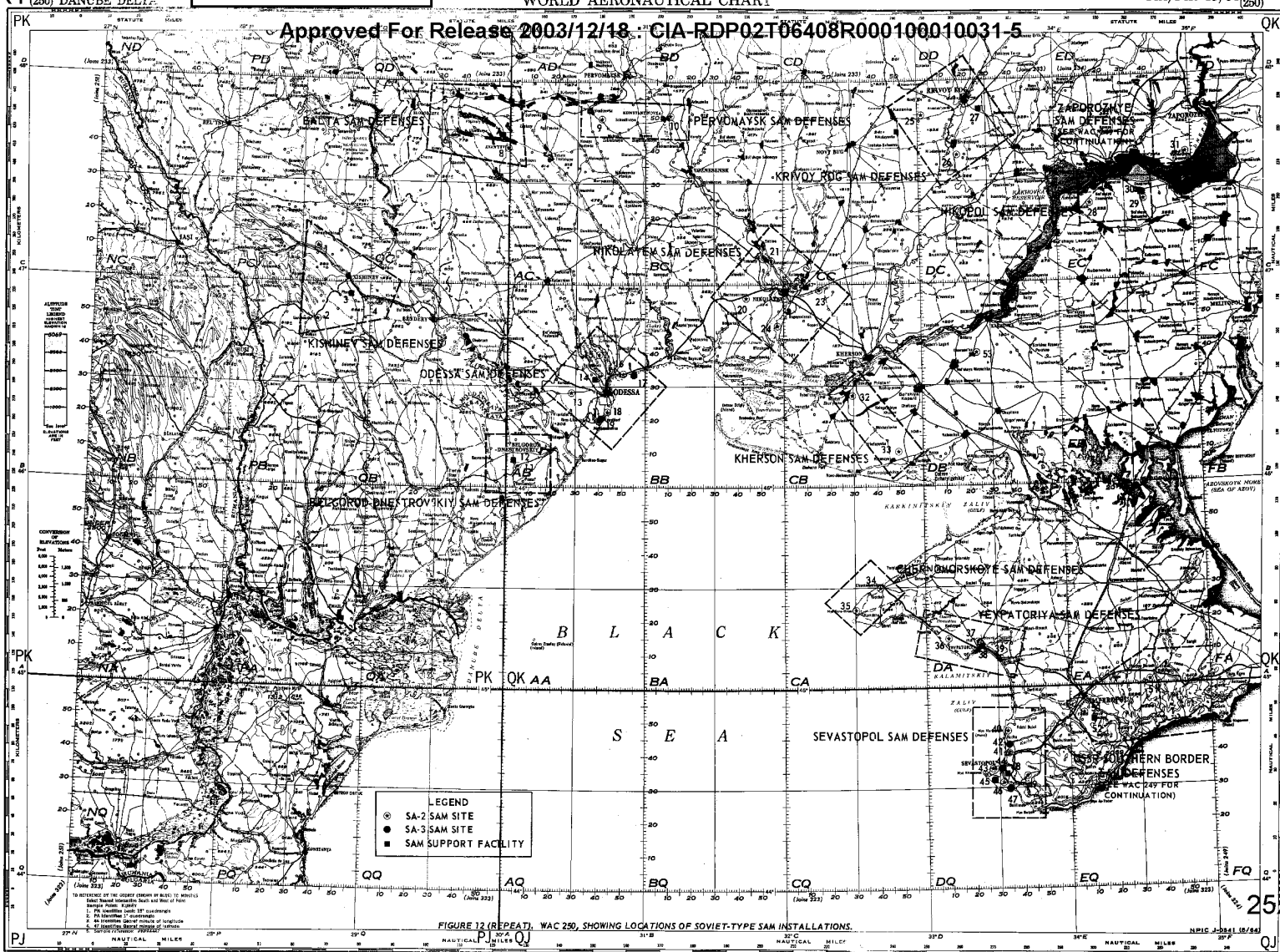
Item	Name, Site Designator, & BE No	Coordinates	Country & Map Ref	Type & Configuration	Mission & Date First Appears	Mission & Date Installation Negated	Remarks
H. Nikopol SAM Defenses (in defense of Nikopol: transportation and industrial center--pipe production and machine building)							
28	Nikopol SAM Site B23-2, [REDACTED]	47-23-15N 24-13-30E	UR 0250-5	SA-2, star	[REDACTED]		
29	Nikopol SAM Site B14-2, [REDACTED]	47-24-15N 24-38-30E	UR 0250-5	SA-2, star			
30	Nikopol SAM Support Facility, [REDACTED]	47-24-25N 24-38-10E	UR 0250-5	Type II (square)			
I. Zaporozhye SAM Defenses (in defense of Zaporozhye, a major industrial complex: an alumina plant, an aluminum plant, a large steel plant, and an aircraft engine plant)							
31	Zaporozhye SAM Site B21-2, [REDACTED]	47-36-20N 34-59-38E	UR 0250-5	SA-2, star	[REDACTED]		
J. Kherson SAM Defenses* (in defense of Kherson, a large industrial complex: agricultural machinery production, POL refinery, shipyard)							
32	Kherson SAM Site B21-2, [REDACTED]	46-27-15N 32-39-30E	UR 0250-9	SA-2, star	[REDACTED]		
33	Kherson SAM Site C17-2, [REDACTED]	46-10-20N 32-50-20E	UR 0250-14	SA-2, star			
K. Chernomorskoye SAM Defenses* (in defense of Chernomorskoye and Krasnoselskoye cruise missile launch sites)							
34	Chernomorskoye SAM Site A28-2, [REDACTED]	45-30-48N 32-40-50E	UR 0250-19	SA-2, star	[REDACTED]		
35	Chernomorskoye SAM Site B24-2, [REDACTED]	45-23-15N 32-29-25E	UR 0250-19	SA-2, star			
L. Yevpatoriya SAM Defenses* (in defense of Yevpatoriya: minor port complex, rail facilities, POL storage, and a space tracking facility)							
36	Yevpatoriya SAM Site B30-2, [REDACTED]	45-15-40N 33-09-00E	UR 0250-19	SA-2, star	[REDACTED]		
37	Yevpatoriya SAM Site A02-2, [REDACTED]	45-13-10N 33-22-30E	UR 0250-19	SA-2, probable star			
38	Yevpatoriya SAM Support Facility, [REDACTED]	45-17-50N 33-23-00E	UR 0250-19	Type II (square)			
39	Saki SAM Site A28-2, [REDACTED]	45-08-10N 33-31-40E	UR 0250-20	SA-2, star			
M. Sevastopol SAM Defenses* (in defense of Sevastopol--major military and industrial center: Headquarters Black Sea Fleet, three naval bases, ship repair facilities, and torpedo boat pens; ammunition, mine, torpedo, and POL storage facilities; submarine base and cruise missile site at Balaklava, cruise missile site at Sevastopol, and jet fighter bases; chemical, machinery, armaments, and munitions production)							
40	Sevastopol SAM Site B01-2, [REDACTED]	44-47-00N 33-32-45E	UR 0250-25	SA-2, star	[REDACTED]		
41	Sevastopol SAM Site A01-2, [REDACTED]	44-41-55N 33-33-25E	UR 0250-25	SA-2, star			
42	Sevastopol SAM Site A01-3, [REDACTED]	44-42-25N 33-33-10E	UR 0250-25	SA-3, configuration F			
43	Sevastopol SAM Site A27-2, [REDACTED]	44-35-30N 33-25-45E	UR 0250-25	SA-2, star			
44	Sevastopol SAM Site A27-3, [REDACTED]	44-35-15N 33-25-50E	UR 0250-25	SA-3, configuration F			
45	Sevastopol SAM Site A23-3, [REDACTED]	44-32-00N 33-26-00E	UR 0250-25	SA-3, probable configuration F			
46	Sevastopol SAM Site A19-2, [REDACTED]	44-31-25N 33-31-00E	UR 0250-25	SA-2, star			
47	Sevastopol SAM Site A17-3, [REDACTED]	44-30-00N 33-34-10E	UR 0250-25	SA-3, configuration undetermined			
48	Sevastopol SAM Support Facility, [REDACTED]	44-34-15N 33-32-55E	UR 0250-25	Type I (rectangular)			
49	Sevastopol SAM Site A11-2, [REDACTED]	44-34-15N 33-41-00E	UR 0250-25	SA-2, star			
N. USSR Southern Border SAM Defenses (in defense of the southern border of the USSR and specific targets, including Simferopol MRBM Complex; Simferopol area complex--two jet fighter airfields, military camps, and a space tracking and communication facility; and Sarabuz airfield special weapons storage site)							
50	Simferopol SAM Site A19-2, [REDACTED]	44-52-35N 34-05-25E	UR 0250-20	SA-2, star	[REDACTED]		
51	Simferopol SAM Site C08-2, [REDACTED]	45-01-55N 34-34-00E	UR 0250-20	SA-2, star			
52	Simferopol SAM Support Facility, [REDACTED]	44-50-00N 34-09-00E	UR 0250-20	Type II (square)			
O. Defensive Role Undetermined							
53	Kherson SAM Site D09-2, [REDACTED]	46-39-00N 33-23-55E	UR 0250-9	SA-2, star	[REDACTED]		

*Although these sites are grouped in defense of specific targets, they provide sufficient overlapping coverage to act as the southern border defense between Simferopol and the Rumanian border area. The obvious southern border defense begins with the Simferopol SAM sites and proceeds eastward.

Approved For Release 2003/12/18 : CIA-RDP02T06408R000100010031-5

TOP SECRET

CIA/PIR-15/64 (250)



25X1 TOP SECRET

CIA/PIR-15/64

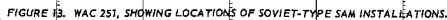
Approved For Release 2003/12/18 : CIA-RDP02T06408R000100010031-5

Table 11. SAM Installations on WAC 251

Item	Name, Site Designator, & BE No	Coordinates	Country & Map Ref	Type & Configuration	Mission & Date First Appears	Mission & Date Installation Negated	Remarks
A. Budapest (Hungary) SAM Defenses (in defense of Budapest--capital of Hungary, and Headquarters of Soviet Forces Hungary: numerous Hungarian and Soviet military installations, major river port and rail center, important industrial complex, including the largest shipyard in Hungary)							
1	Budapest SAM Site B05-2, [REDACTED]	47-29-58N 19-22-55E	Hu 0251-1	SA-2, fan	[REDACTED]		
2	Nagytarcsa SAM Support Facility, [REDACTED]	47-22-15N 19-20-25E	Hu 0251-1	Type I (rectangular)			
3	Budapest SAM Site B12-2, [REDACTED]	47-23-45N 19-25-53E	Hu 0251-1	SA-2, fan			
4	Budapest SAM Site C16-2, [REDACTED]	47-04-32N 19-26-53E	Hu 0251-6	SA-2, probable fan			
B. Miskolc (Hungary) SAM Defenses (in defense of Miskolc: major Hungarian iron- and steel-producing area and heavy industrial complex with major transportation facilities)							
5	Miskolc SAM Site B28-2, [REDACTED]	47-55-30N 20-32-40E	Hu 0251-1	SA-2, fan	[REDACTED]		
6	Miskolc SAM Site B15-2, [REDACTED]	47-56-20N 20-55-30E	Hu 0251-2	SA-2, fan			
C. Simeria (Romania) SAM Defenses (in defense of Simeria: large metallurgical combine, and large iron and machinery works)							
7	Simeria SAM Site B30-2, [REDACTED]	45-37-15N 22-43-58E	Ru 0251-13	SA-2, configuration undetermined	[REDACTED]		
8	Simeria SAM Site A11-2, [REDACTED]	45-49-50N 23-11-00E	Ru 0251-13	SA-2, fan			
9	Simeria SAM Site B20-2, [REDACTED]	45-32-40N 22-54-20E	Ru 0251-18	SA-2, fan			
D. Ploesti/Bucharest (Romania) SAM Defenses (in defense of Bucharest, capital of Romania, and Ploesti: Bucharest--aircraft and railroad equipment industries, military and commercial center; Ploesti--large industrial and petroleum refining center)							
10	Ploesti SAM Support Facility, [REDACTED]	45-03-45N 25-49-00E	Ru 0251-20	Type I (rectangular)	[REDACTED]		The service roads at this site consist of a series of parallel roads, a configuration peculiar to Rumania.
11	Ploesti SAM Site B27-2, [REDACTED]	44-56-15N 25-36-30E	Ru 0251-20	SA-2 (see remarks)			
12	Ploesti SAM Site C81-2, [REDACTED]	44-39-00N 25-38-00E	Ru 0251-25	SA-2, fan			The service roads at this site consist of a series of parallel roads, a configuration peculiar to Rumania. The service roads at this site consist of a series of parallel roads, a configuration peculiar to Rumania. The service roads at this site consist of a series of parallel roads, a configuration peculiar to Rumania. The service roads at this site consist of a series of parallel roads, a configuration peculiar to Rumania.
13	Bucharest SAM Site C27-2, [REDACTED]	44-28-10N 25-37-45E	Ru 0251-25	SA-2, fan			
14	Bucharest SAM Site B23-2, [REDACTED]	44-11-50N 25-48-30E	Ru 0251-25	SA-2, fan			
15	Bucharest SAM Site B19-2, [REDACTED]	44-07-30N 26-03-45E	Ru 0251-25	SA-2, fan			
16	Bucharest SAM Site B15-2, [REDACTED]	44-11-50N 26-20-40E	Ru 0251-25	SA-2 (see remarks)			
17	Bucharest SAM Site B11-2, [REDACTED]	44-21-12N 26-32-35E	Ru 0251-25	SA-2 (see remarks)			
18	Bucharest SAM Site C07-2, [REDACTED]	44-26-10N 26-36-00E	Ru 0251-25	SA-2 (see remarks)			
19	Ploesti SAM Site C10-2, [REDACTED]	44-55-50N 26-30-00E	Ru 0251-20	SA-2, fan			
20	Bucharest SAM Support Facility, [REDACTED]	44-29-00N 26-13-45E	Ru 0251-25	Type II (square)			

Approved For Release 2003/12/18 : CIA-RDP02T06408R000100010031-5

TOP SECRET



25X1 TOP SECRET

CIA/PIR-15/64

Approved For Release 2003/12/18 : CIA-RDP02T06408R000100010031-5

Table 12. SAM Installations on WAC 252

Item	Name, Site Designator, & BE No	Coordinates	Country & Map Ref	Type & Configuration	Mission & Date First Appears	Mission & Date Installation Negated	Remarks
A. Bratislava (Czechoslovakia) SAM Defenses (in defense of major military center with important industrial facilities, including POL, explosives, wire and cable, and electrical engineering products)							
1	Nitra SAM Site D24-2, [REDACTED]	47-59-15N 17-26-00E	Cz 0252-5	SA-2, fan	[REDACTED]		
B. Budapest (Hungary) SAM Defenses (in defense of Budapest--capital of Hungary, and Headquarters of Soviet Forces Hungary: numerous Hungarian and Soviet military installations, major river port and rail center, important industrial complex, including the largest shipyard in Hungary)							
2	Budapest SAM Site B31-2, [REDACTED]	47-39-56N 18-44-48E	Hu 0252-5	SA-2, fan	[REDACTED]		
3	Budapest SAM Site C26-2, [REDACTED]	47-24-10N 18-33-40E	Hu 0252-5	SA-2, fan			
4	Budapest SAM Site D24-2, [REDACTED]	47-08-47N 18-26-40E	Hu 0252-5	SA-2, probable fan			
5	Dunafoldvar SAM Site B30-2, [REDACTED]	46-54-00N 18-38-05E	Hu 0252-10	SA-2, fan			
6	Dunafoldvar SAM Site A19-2, [REDACTED]	46-44-00N 18-54-30E	Hu 0252-10	SA-2, fan			

Approved For Release 2003/12/18 : CIA-RDP02T06408R000100010031-5

TOP SECRET

25X1

SECRET

(252) GULF OF VENICE

WORLD AERONAUTICAL CHART

CIA/PIR-15/64

(252)

Approved For Release 2003/12/18 : CIA-RDP02T06408R000100010031-5

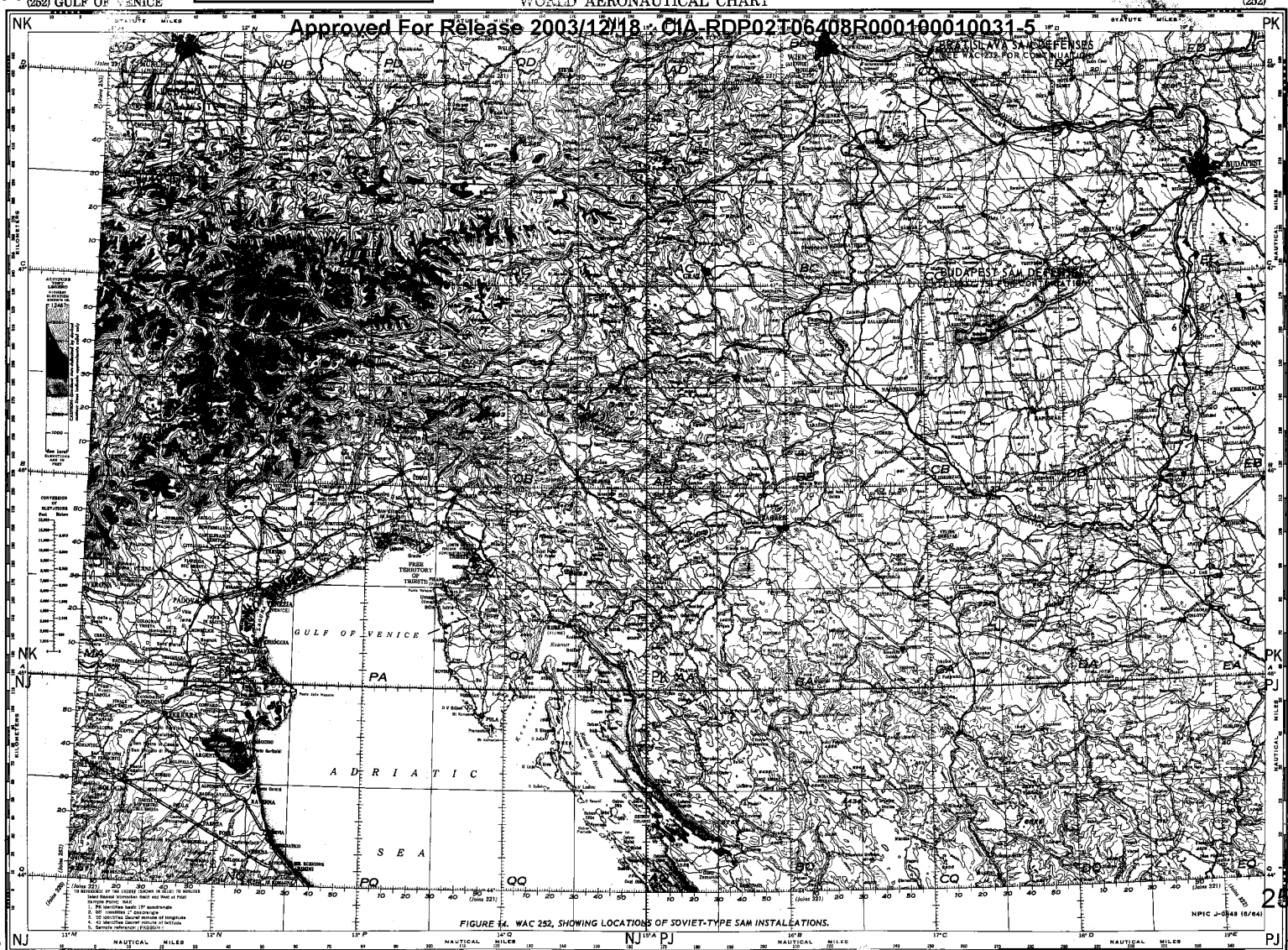


FIGURE 14. WAC 252, SHOWING LOCATIONS OF SOVIET-TYPE SAM INSTALLATIONS.

NPIC J-548 (8/64)

Approved For Release 2003/12/18 : CIA-RDP02T06408R000100010031-5

25X1 TOP SECRET [REDACTED]

CIA/PIR-15/64

Approved For Release 2003/12/18 : CIA-RDP02T06408R000100010031-5

REFERENCES

DOCUMENTS

1. CIA. PIR-1/64, *Soviet-Type SAM Installations, WACs 60, 61, 75, 91, and 92*, Jan 64 (TOP SECRET [REDACTED])
2. CIA. PIR-3/64, *Soviet-Type SAM Installations, WACs 102, 103, 127, 131, 152, and 153*, Jan 64 (TOP SECRET [REDACTED])
3. CIA. PIR-7/64, *Soviet-Type SAM Installations, WACs 154, 155, 156, 158, and 159*, Mar 64 (TOP SECRET [REDACTED])
4. CIA. PIR-8/64, *Soviet-Type SAM Installations, WACs 160, 161, 162, 164, 165, and 166*, Mar 64 (TOP SECRET [REDACTED])
5. CIA. PIR-11/64, *Soviet-Type SAM Installations, WACs 167, 168, 169, and 170*, Apr 64 (TOP SECRET [REDACTED])
6. CIA. PIR-14/64, *Soviet-Type SAM Installations, WACs 194, 196, 198 Through 205, and 231 Through 234*, May 64 (TOP SECRET [REDACTED])

REQUIREMENT

CIA. C-RR3-80,738

PROJECT

C-1580/63 (partial answer)

25
25
25
25
25
25

25

Approved For Release 2003/12/18 : CIA-RDP02T06408R000100010031-5

TOP SECRET

TOP SECRET